

Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

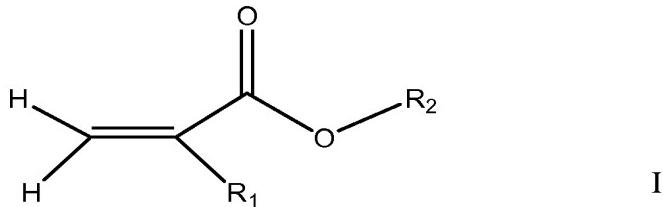
1. (Currently Amended) A photocurable composition for forming a dielectric layer on a substrate, the photocurable composition comprising:

a first acrylated oligomer having a first viscosity;

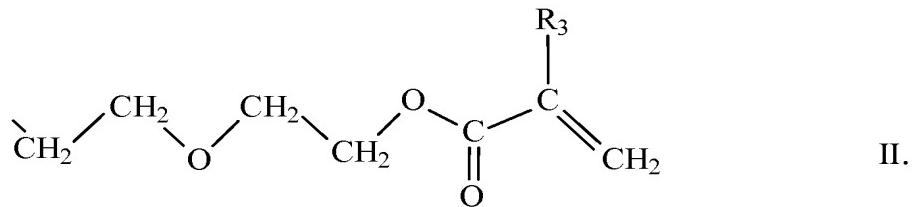
a second acrylated oligomer having a second viscosity that is less than the first acrylated oligomer viscosity;

a wax;

an acrylated monomer ~~wherein~~ comprising a component having formula I:



wherein R₁ is hydrogen or substituted or unsubstituted alkyl; and R₂ is



wherein R₃ is hydrogen or a substituted or unsubstituted alkyl; and

a photoinitiator, wherein:

~~the photocurable composition includes less than about 10 weight percent volatile organic compounds;~~

the first acrylated oligomer is present in an amount from about 5 weight percent to about 80 weight percent of the total weight of the photocurable composition;

the second acrylated oligomer is present in an amount from about 1 weight percent to about 30 weight percent of the total weight of the photocurable composition;

the wax is present in an amount from 1 weight percent to about 60 weight percent of the total weight of the photocurable composition;

the acrylated monomer is present in an amount from about 5 weight percent to about 80 weight percent of the total weight of the photocurable composition; and

the photoinitiator is present in an amount from about 0.1 weight percent to about 20 weight percent of the total weight of the photocurable composition.

2. (Original) The photocurable composition of claim 1 wherein the first acrylated oligomer comprises a component selected from the group consisting of an acrylated epoxy oligomer, an acrylated polyester oligomer, acrylated silicone oligomer, acrylated acrylic oligomer, acrylated urethane oligomer, an acrylated melamine oligomer, and mixtures thereof.

3. (Currently Amended) The photocurable composition of claim 1 wherein the first acrylated oligomer comprises an aliphatic urethane acrylate.

4. (Original) The photocurable composition of claim 3 wherein the aliphatic urethane acrylate comprises a component selected from the group consisting of aliphatic urethane monoacrylates, aliphatic urethane diacrylates, aliphatic urethane triacrylates, and mixtures thereof.

5. (Original) The photocurable composition of claim 1 wherein the second acrylated oligomer comprises a component selected from the group consisting of an acrylated epoxy oligomer, an acrylated polyester oligomer, acrylated silicone oligomer, acrylated acrylic oligomer, acrylated urethane oligomer, an acrylated melamine oligomer, and mixtures thereof.

6. (Original) The photocurable composition of claim 1 wherein the second acrylated oligomer comprises a component selected from the group consisting of an aliphatic monoacrylates oligomer, aliphatic diacrylate oligomer, an aliphatic triacrylate oligomer, and mixtures thereof.

7 - 8. (Cancelled)

9. (Original) The photocurable composition of claim 4 wherein the acrylated monomer comprises a component selected from ethylene glycol dicyclopentyl ether acrylate, an isobornyl acrylate, diethylene glycol dimethacrylate and mixtures thereof.

10. (Original) The photocurable composition of claim 1 wherein the wax comprises a micronized wax.

11. (Original) The photocurable composition of claim 1 wherein the wax comprises a polyolefin wax.

12. (Original) The photocurable composition of claim 1 further comprising a talc.

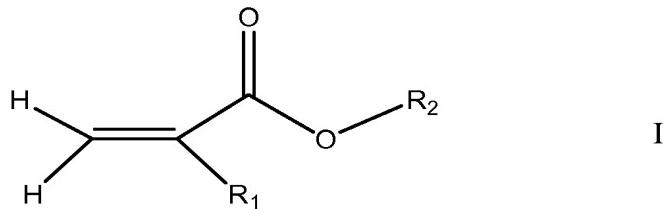
13. (Cancelled)

14. (Original) The photocurable composition of claim 1 further comprising an amine functional acrylate co-initiator.

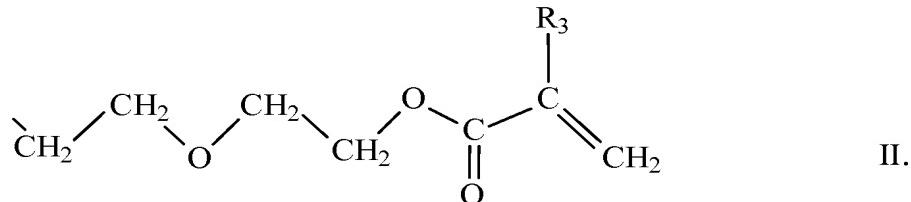
15. (Original) The photocurable composition of claim 1 further comprising a component selected from a pigment, a flow promoting agent, and mixtures thereof.

16. (Currently Amended) A photocurable composition for forming a dielectric layer on a substrate, the photocurable composition comprising:

an aliphatic urethane acrylate having a first viscosity;
 an acrylated oligomer having a second viscosity that is less than the aliphatic urethane acrylate first viscosity;
 a polyolefin wax;
 an acrylated monomer comprising a component having formula I:



wherein R₁ is hydrogen or substituted or unsubstituted alkyl; and R₂ is



wherein R₃ is hydrogen or a substituted or unsubstituted alkyl; and

a photoinitiator, wherein:

the photocurable composition includes less than about 10 weight percent volatile organic compounds;

the aliphatic urethane oligomer is present in an amount from about 5 weight percent to about 80 weight percent of the total weight of the photocurable composition;

the acrylated oligomer is present in an amount from about 1 weight percent to about 30 weight percent of the total weight of the photocurable composition;

the polyolefin wax is present in an amount from 1 weight percent to about 60 weight percent of the total weight of the photocurable composition;

the acrylated monomer is present in an amount from about 5 weight percent to about 80 weight percent of the total weight of the photocurable composition; and

the photoinitiator is present in an amount from about 0.1 weight percent to about 20 weight percent of the total weight of the photocurable composition.

17. (Original) The photocurable composition of claim 16 wherein the aliphatic urethane acrylate comprises a component selected from the group consisting of aliphatic urethane monoacrylates, aliphatic urethane diacrylates, aliphatic urethane triacrylates, and mixtures thereof.

18. (Currently Amended) The photocurable composition of claim 16 wherein the acrylated oligomer ~~having a viscosity less than the aliphatic urethane acrylate~~ comprises a component selected from the group consisting of an acrylated epoxy oligomer, an acrylated polyester oligomer, acrylated silicone oligomer, acrylated acrylic oligomer, acrylated urethane oligomer, an acrylated melamine oligomer, and mixtures thereof.

19. (Currently Amended) The photocurable composition of claim 16 wherein the acrylated oligomer ~~having a viscosity less than the aliphatic urethane acrylate~~ comprises a component selected from the group consisting of an aliphatic monoacrylates oligomer, aliphatic diacrylate oligomer, an aliphatic triacrylate oligomer, and mixtures thereof.

20-21. (Cancelled)

22. (Original) The photocurable composition of claim 16 wherein the acrylated monomer comprises a component selected from ethylene glycol dicyclopentyl ether acrylate, diethylene glycol dimethacrylate an isobornyl acrylate, and mixtures thereof.

23. (Original) The photocurable composition of claim 16 wherein the polyolefin wax comprises a micronized polyolefin wax.

24. (Original) The photocurable composition of claim 16 wherein the polyolefin wax comprises a wax selected from the group consisting of polyethylene, polypropylene, and mixtures thereof.

25. (Cancelled)

26. (Original) The photocurable composition of claim 16 further comprising an amine functional acrylate co-initiator.

27. (Original) The photocurable composition of claim 16 further comprising a component selected from a pigment, a flow promoting agent, and mixtures thereof.

28. (Currently Amended) A photocurable composition for forming a dielectric layer on a substrate, the photocurable composition comprising:

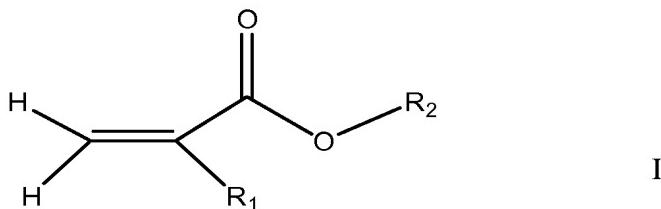
an aliphatic urethane acrylate having a first viscosity;

an acrylated oligomer having a second viscosity that is less than the aliphatic urethane acrylate first viscosity;

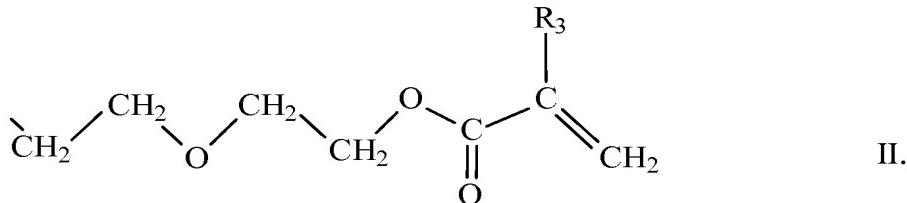
a polyolefin wax;

an isobornyl acrylate;

an acrylated monomer comprising a component having formula I:



wherein R₁ is hydrogen or substituted or unsubstituted alkyl; and R₂ is



wherein R₃ is hydrogen or a substituted or unsubstituted alkyl;

an amine functional acrylate co-initiator; and

a photoinitiator, wherein:

the photocurable composition includes less than about 10 weight percent volatile organic compounds;

the aliphatic urethane oligomer is present in an amount from about 5 weight percent to about 80 weight percent of the total weight of the photocurable composition;

the acrylated oligomer is present in an amount from about 1 weight percent to about 30 weight percent of the total weight of the photocurable composition;

the wax is present in an amount from 1 weight percent to about 60 weight percent of the total weight of the photocurable composition;

the isobornyl acrylate is present in an amount from about 5 weight percent to about 80 weight percent of the total weight of the photocurable composition;

the amine functional acrylate co-initiator is present in an amount from about 1 weight percent to about 10 weight percent of the total weight of the photocurable composition;

the acrylated oligomer is present in an amount from about 1 weight percent to about 30 weight percent of the total weight of the photocurable composition; and

the photoinitiator is present in an amount from about 0.1 weight percent to about 20 weight percent of the total weight of the photocurable composition.

29. (Cancelled)

30. (Currently amended) The photocurable composition of claim 27 28 further comprising a pigment and a flow promoting component selected from a pigment, a flow promoting agent, and mixtures thereof.

31. (Previously Presented) The photocurable composition of claim 1 wherein R₁ is hydrogen or methyl.

32. (Previously Presented) The photocurable composition of claim 16 wherein R₁ is hydrogen or methyl.

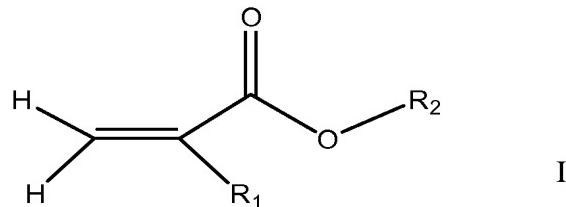
33. (Currently Amended) A photocurable composition for forming a dielectric layer on a substrate, the photocurable composition comprising consisting essentially of:

a first acrylated oligomer having a first viscosity;

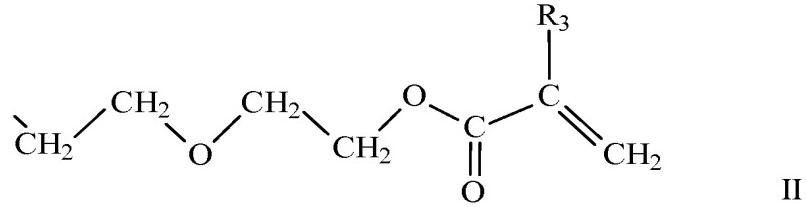
a second acrylated oligomer having a second viscosity that is less than the first acrylated oligomer first viscosity;

a wax;

an acrylated monomer wherein comprising a component having formula I:



wherein R₁ is hydrogen or substituted or unsubstituted alkyl; and R₂ is



wherein R_3 is hydrogen or a substituted or unsubstituted alkyl;

a talc; and

a photoinitiator, wherein the photocurable composition includes less than about 10 weight percent volatile organic compounds.

34. (New) The photocurable composition of claim 28 further comprising a talc present in an amount from about 0.1 weight percent to about 25 weight percent.